

The mission of the Berlin Institute of Health at Charité (BIH) is medical translation: transferring biomedical research findings into novel approaches to personalized prediction, prevention, diagnostics and therapies and, conversely, using clinical observations to develop new research ideas. The aim is to deliver relevant medical benefits to patients and the population at large. The BIH was founded in 2013 and is funded 90 percent by the Federal Ministry of Education and Research (BMBF) and 10 percent by the State of Berlin. Since 2021 the BIH has been integrated into Charité as its so-called third pillar.

For the BIH we are looking from the 01-10-2023 on temporary for a

MSc Position in CRISPR-based Gene Editing Available (f/m/d)

The Hedtrich Lab is recruiting a Master student to optimize medium composition for a multi organ-on-chip system to study the gut-lung axis. We are a young and enthusiastic group looking for people willing to contribute to our exciting research. The Hedtrich Lab is located in the just recently inaugurated research building Kaethe-Beutler-Haus on Berlin-Buch campus which is in close proximity to clinical departments, the MDC, and the FMP.

Your job description:

The research project aims to develop topically applicable gene therapies for the treatment of monogenic diseases of human epithelia. We are looking for an enthusiastic scientist who will support the team with their expertise in genetic engineering. The focus will be on developing mRNA-based strategies to rescue disease-causing mutations. This project is part of a SPARK program, which has the goal to ultimately translate the findings from bench to bedside. Hence, interest in translational work at the forefront of science is a clear asset.

Applicants ideally have some experience in cell culture and biomolecular methods. Experience with primary cells, gene therapy, and/or non-viral gene delivery are considered assets.

Your profile:

- Very good written and verbal communication skills.
- Personal attributes of an ideal team member: high level of honesty and integrity, robust work ethic and accountability, demonstrated initiative, adaptability in a rapidly changing landscape, a creative and curious problem-solver, commitment to engendering a harmonious work environment and strong emotional intelligence.

The successful candidates will work closely with senior team members on this project. Applicants should have a BSc degree or similar in biomedical engineering, pharmacology, biochemistry, or a related field.

The Hedtrich lab is a young and enthusiastic group looking for people willing to shape an innovative research line at the BIH@Charité. One of our focuses is the development of new therapeutic approaches for the treatment of severe monogenic diseases of human epithelia. Research projects within the lab are highly interdisciplinary and routinely require intensive collaborations with groups from other disciplines.

We offer:

- Constant support and guidance by PhD students as well as senior lab members
- Teaching of tissue culture and biochemical assay methods
- A state of the art lab in the newly inaugurated KBH building in Campus Buch
- A pleasant and friendly working atmosphere

We live diversity!

BIH strongly encourages qualified women to apply. Applications from people with a migration background who meet the hiring requirements are expressly encouraged. Applicants with severe disabilities and those of equal status will be given preferential consideration in the event of equal suitability.

Please submit your application via the **BIH career portal** <https://jobs.bihealth.org> by **30.09.2023**, quoting the reference number **INT-B-08.09.23**.

For technical queries regarding the job advertisement, please contact Ms. Prof.Dr. Sarah Hedtrich (sarah.hedtrich@bih-charite.de)

For more information about the Hedtrich group and current research, please see:

<https://www.bihealth.org/en/research/research-group/translational-organ-models>

For more information on BIH, please visit www.bihealth.org